

## SEQUENCE LISTING

<110> RATAIN, MARK J.  
LIU, WANQING  
INNOCENTI, FEDERICO

<120> POLYMORPHISMS IN THE EPIDERMAL GROWTH FACTOR RECEPTOR  
GENE PROMOTER

<130> ARCD:404WO

<140> UNKNOWN

<141> 2005-03-01

<150> 60/549,069

<151> 2004-03-01

<160> 38

<170> PatentIn Ver. 2.1

<210> 1

<211> 525

<212> DNA

<213> Homo sapiens

<400> 1

```

gaaattaact cctcagggca cccgctcccc tcccatgcgc cgccccactc ccgcccggaga 60
ctaggtcccg cgggggccac cgctgtccac cgctccggc ggccgctggc cttgggtccc 120
cgctgctggt tctctccct cctcctcgca ttctctcct cctctgctcc tcccgatccc 180
tctcgcgcg cctggtccct cctcctcccg ccctgcctcc ccgcgcctcg gcccgcgca 240
gctagacgtc cgggcagccc ccggcgcagc gcggccgcag cagcctccgc cccccgcacg 300
gtgtgagcgc ccgacgcggc cgaggcggcc ggagtcccg gctagccccg gcggccgccg 360
ccgcccagac cggacgacag gccacctcgt cggcgtccgc ccgagtcccc gcctcgccgc 420
caacgccaca accaccgcgc acggccccct gactccgtcc agtattgatc gggagagccg 480
gagcgagctc ttcggggagc agcgatgcga ccctccggga cggcc 525

```

<210> 2

<211> 4990

<212> DNA

<213> Homo sapiens

<400> 2

```

ctccacagag gctgtgagct agagccctaa ctgtgcaggg ccctaactat gccaggctac 60
ttatctctct taagaggact tcattagtgc ctgctcggcc atacagtttt ttacttacca 120
agtaacacag ttatcagcac actccaggta ctagccaagg actacaaaat caacgtgaat 180
gtcagctttt gtatcaaaag ctcaaaggag aaactcaaac tttacataga tgtcccatga 240
agatgttcag caaaccatt cttctctgtt ccctggaatc catcccagta ttgtgctatg 300
tgtgtgtcta gtaattcttt acaaaaagct ctgtttcttg tgatgctatc agatcacatt 360
gaagaatata caagccgtac tatgaaggct gttgtctcat atagtccctaa cgtagtgaga 420
actgatgttc ttacatgctg tctttttggg cactcaaaga aattcctgta cagtcttaca 480
aatcagttgt agcttaaatt gatttgtgtt gtgacttgta cacacaggtc acattccctt 540
gacagaaaat atagtttaaa accaaatttg cagcccttgt taagtgaatg cacaggactt 600
tattgtattc aggtctttta ttgtaagact cactcctgtc ttcattttat gttccactgt 660
tgtgtctccc atttgccctt ctctagtttt gttttctgtg tttctacgga ctgctctcag 720
cccagggtgt caggaagcac acacatgcct gcagagcctt catggcctct gcattcaggg 780
catgacttca acgcacagtg gctgtactga tttgttaaaa caaaggaaca gattacttct 840
cctaattcac aggaagttc caggttgtgc gggcagtgag cagacctgtg tctgtctgcg 900
cttgccctgg tgaaaaaccc caccgttcag gctgcagggt gcgagacca ggcacaaaca 960
ttttgctgga tgaggaggaa agatgtaagg ttgctccctc tcagagacag caaagggcag 1020
gtctgtagct tcaacttact caggattgtg atttttgaca gagccgagag atcagggttg 1080
ttgaaccagg cctgaaggtc ctagtgaatc tcgtgaagag aggaggggtc tggctgtaac 1140

```

atggacctag	aggacattht	tactgcagga	gaaggaacag	tggggatggg	gtggacttgc	1200
caaaggaata	tagctcaagt	tectgcagcc	caaaaaagct	cagtttcttt	tggccaaagc	1260
ttccgcgagt	ttccctggca	tttctcttgc	gggagctaca	ggggcagtg	gacacttagc	1320
ctctctaata	gcacctccac	ggctgtttgt	gtcaagcctt	tattccaaga	gcttactttt	1380
tgcgaagtaa	tgtgcttcac	acattggctt	caaagtaccc	atggctgggt	gcaataaaca	1440
ttaaggaggc	ctgtctctgc	acccggagtt	gggtgccctc	atttcagatg	atttcgaggg	1500
tgcttgacaa	gatctgaagg	accctcggac	tttagagcac	cacctcggac	gcctggcacc	1560
cctgccgcgc	gggcacggcg	acctcctcag	ctgccaggcc	agcctctgat	ccccgagagg	1620
gtcccgtagt	gctgcagggg	aggtggggac	ccgaataaa	gagcagtttc	cccgctcggtg	1680
ccattatccg	acgctggctc	taaggctcgg	ccagtctgtc	taaagctggg	acaagtttgc	1740
tttgtaaaac	aaaagaaggg	aaagggggaa	ggggaccctg	gcacagattt	ggctcgacct	1800
ggacataggc	tgggcctgca	agtccgcggg	gaccgggtcc	agagggggcag	tgctgggaac	1860
gcccctctcg	gaaattaact	cctcagggca	cccgctcccc	tcccatgcgc	cgccccactc	1920
ccgcgcggag	ctaggtcccc	cgggggccac	cgctgtccac	cgctcctggc	ggccgctggc	1980
cttgggtccc	cgctgctggg	tctctctcct	cctcctcgca	ttctctctct	cctctgctcc	2040
tcccgatccc	tcctcgcgcg	cctgggtccct	cctcctcccg	ccctgcctcc	ccgcgcctcg	2100
gcccgcgcga	gctagacgtc	cgggcagccc	ccggcgcagc	gcggccgcag	cagcctccgc	2160
cccccgcacg	gtgtgagcgc	ccgacgcggc	cgaggcggcc	ggagtcccga	gctagccccg	2220
gcggccgcgc	ccgcccagac	cggaacgacg	gccacctcgt	cggcgtccgc	ccgagtcccc	2280
gcctcgccgc	caacgccaca	accaccgcgc	acggccccct	gactccgtcc	agtattgatc	2340
gggagagccg	gagcgagctc	ttcggggagc	agcgatgcga	ccctccggga	cggccggggc	2400
agcgctcctg	gcgtctgtgg	ctgcgtctcg	ccggcgaggt	cgggctctgg	aggaaaagaa	2460
aggtaagggc	cgctctcgcc	ggctcccgcg	ccgccccggg	atcgcgcccc	ggacccccga	2520
gcccgcacca	ccgcgcaccg	gcgcaccggc	tcggcgcccc	cgcccccgcc	cgctctttcc	2580
tgtttctctg	agatcagctg	cgccgcgcgac	cgggaccgcg	ggaggaacgg	gacgtttcgt	2640
tcttcggccg	ggagagtctg	gggcggggcg	aggaggagac	gcgtgggaca	ccgggctgca	2700
ggccaggcgg	ggaacggccg	ccgggacctc	cggcgccccc	aaccgctccc	aactttcttc	2760
cctcactttc	cccgcccagc	tgccgcaggat	cggcgtcagt	ggggcgaagc	cggggtgctgg	2820
tgggcgcctg	gggcgcgggg	cccgcacgtg	cgccccgcgc	tgtcttccca	gggcgcgacg	2880
gggtcctggc	gcgcacccca	ggggcgggcg	ctgcccaccc	gccgagactg	cactgtttag	2940
ggaagctgag	gaaggaaccc	aaaaatacac	cctcccctcg	gaccccgcgg	gacagctggc	3000
tttctgagag	gacctccccg	cctccgcctc	ccgcgcaggt	ctcaaaactga	agccggcgcc	3060
cgccagcctg	gccccggccc	ctctccaggt	ccccgcgac	ctcgttcccc	agtgtggagt	3120
cgcagcctcg	acctgggagc	tgggagaact	cgtctaccac	cacctgcggc	tcggggggag	3180
gggtggtgct	ggcggcgggt	agtttctctg	ttggcaaaag	gcaggtgggg	tcggaccgcg	3240
cccttggggc	cagaccccgg	ccgctcgcct	cgcccgggtg	gccctcgtct	tgccatacca	3300
agagtgcctc	ccacctcccc	gggaccccag	ctccctcctg	ggcgccccgc	ccgaaagccc	3360
caggctctcc	ttcgatggcc	gcctcgcgga	gacgtccggg	tctgctccac	ctgcagccct	3420
tcggtcgcgc	ctgggcttcg	cggtggagcg	ggacgcgggt	gtccggccac	tgacgggggg	3480
gatcgcgga	ctcttgagcg	gaagccccgg	aagcagagct	catcctggcc	aacacatggg	3540
tgtttcaaaa	tggggctcac	agcaaaactt	tctctcaaac	ccggagactt	tctttcttgg	3600
atgtctcttt	ttgtgttttg	aagaatttga	gccaaacaaa	atattaaacc	tgtcttacac	3660
acacacacac	acacacacac	acacacacac	cggattgctg	tccctgggtc	aagtgtgcca	3720
agtgtgcaga	cagaacatga	gcgagtctgg	cttcgtgact	accgaccata	aaccacttg	3780
acaggggaaa	catgccttgg	aaggtttaat	tgcacaattc	caaccttgag	ctgcgcgggt	3840
tccaagagcc	aggcccgtac	ttgctgttga	tgtcattggc	ttggggaggt	gggggttggg	3900
gcccagcgcg	gtcggtgggg	gaggggcaag	gcatagaaca	gtgggtccca	gaccttgctg	3960
cacattggaa	ttacctggga	ttaaaaaaa	aaaaatcaaa	acaaaaacca	gtgtctgggt	4020
cccgcctcca	gacattctga	tttaattggc	atggggcaag	acctggactt	gggatttttt	4080
ttaatgctct	tcattgtgat	tggtgggcag	ccagatttgg	ggatcactag	acggaagaag	4140
gattgtttaa	gtctccggag	atgttacttg	ccaatgctaa	gagctctttg	aggacatctg	4200
gaattgttac	aatattgcca	aatataggaa	agagggaaaa	ggtagagtgt	gattccaata	4260
ataaaggatt	ccgcttttca	ttgaagggaac	tggtggaaag	gtttcttctc	tgctgagcct	4320
gcaggcccg	cctgcctgcc	tgggggtgcc	gggagacgcg	ggcctgctcc	ggagactgct	4380
gactgccgg	cctgttagtc	aggtgtcagc	cctgtctctg	ccgaagagac	tcttctcttt	4440
atttttaaatt	aaacctcag	agcaccacca	aagcatcact	tttctccctc	cattgggtgtt	4500
ctcattcttt	gatgttactt	gtttgaacac	cactattagt	agttggagat	ttgttcttga	4560
gaaaaatata	aataccactt	aatttgcttg	tttgtcccg	attcactcaa	aacagaatag	4620
tctgaagac	aagagagaga	gtaggagaa	agacgtatt	ccattacagt	aacataaaag	4680
actggatttt	caggggcata	ttattaaaa	aggagatgag	ctcttttaac	agaaatttgt	4740
ttaaggcctg	tgtctatcaa	attcagtggg	ttttattcaa	gatgcacttt	gtttagtggg	4800
agttttgttt	ggttctggga	catgctaact	tctagacttg	ctgctcttag	aggtaatgac	4860
tgccagacac	catttcatga	gtcctaata	ccacattaag	cataagaggt	gcacactctc	4920

ctcctatggg ggaaactgag gtacgaagaa ctaaagtac tttcccacag ctggtgggag 4980  
gcagacggga 4990

<210> 3  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 3  
gttccactgt tgtgcttccc 20

<210> 4  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 4  
aagaaagttg ggagcggttc 20

<210> 5  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 5  
gggtggactt gccaaagga 19

<210> 6  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 6  
cttagagcca gcgtcggata 20

<210> 7  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

## Primer

<400> 7  
gcatgacttc aacgcacagt 20

<210> 8  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 8  
gaggctaagt gtcccactgc 20

<210> 9  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 9  
tcggacttta gagcaccacc 20

<210> 10  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 10  
gaggaggaga atgcgaggag 20

<210> 11  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 11  
aaattaactc ctcagggcac c 21

<210> 12  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 12  
cgcccttacc tttcttttcc 20

<210> 13  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 13  
ccctgactcc gtccagtatt 20

<210> 14  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 14  
cgtcctttcc tgtttccttg 20

<210> 15  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 15  
accagctgtg ggaaagtcac 20

<210> 16  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 16  
agacgagttc tcccagctcc 20

<210> 17  
<211> 20  
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 17

gcgcaggtct caaactgaag

20

<210> 18

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 18

ggagaagttt gctgtgagcc

20

<210> 19

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 19

ccctcgtctt gcctatcca

19

<210> 20

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 20

agtgatcccc aaatctggct

20

<210> 21

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 21

ggcatagaac agtggttccc

20

<210> 22

<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 22  
gaacaccaat ggagggagaa 20

<210> 23  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 23  
tgaaggaact ggtggaaagg 20

<210> 24  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 24  
catgtcccag aaccaaacaa 20

<210> 25  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 25  
ccaccggtac cggcggccgc tggccttg 28

<210> 26  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 26  
cggcgagaca cgcccttacc ttt 23

<210> 27  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer  
  
<400> 27  
gcagcctccg cccccgcac ggtgt 25  
  
<210> 28  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer  
  
<400> 28  
acaccgtgcg gggggcggag gctgc 25  
  
<210> 29  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer  
  
<400> 29  
gcagcctccg cccccgcac ggtgt 25  
  
<210> 30  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer  
  
<400> 30  
acaccgtgcg gggggcggag gctgc 25  
  
<210> 31  
<211> 25  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer  
  
<400> 31



gcagcctcct cccccgcac ggtgt 25

<210> 32

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 32

acaccgtgcg gggggaggag gctgc 25

<210> 33

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 33

gcagcctcct cccccgcac ggtgt 25

<210> 34

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 34

acaccgtgcg gggggaggag gctgc 25

<210> 35

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 35

attcgatcgg ggcggggcga gc 22

<210> 36

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 36  
gctcgccccg ccccgatcga at 22

<210> 37  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 37  
attcgatcgg ggcgggggcga gc 22

<210> 38  
<211> 22  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic  
Primer

<400> 38  
gctcgccccg ccccgatcga at 22